

## 2022 Hard Red Spring Wheat Variety Trial at Mohall

Cooperators: Dean Schoenberg and the Renville/Bottineau Ag Improvement Association

Variety	Plant		Test		-----Grain Yield-----				
	Height inches	Lodging 0-9*	Weight lbs/bu	Protein %	2020	2021	2022	2 yr avg	3 yr avg
					-----bu/A-----				
TCG Spitfire	26	1	57.7	15.1	52.2	49.9	43.8	46.9	48.6
MN Torgy	27	1	58.8	16.7	55.3	50.6	37.2	43.9	47.7
SY Valda	25	1	58.9	15.5	46.8	48.3	41.8	45.0	45.6
Lanning	25	1	56.5	16.2	46.4	47.9	42.1	45.0	45.5
AP Murdock	25	1	58.2	15.4	51.2	47.6	36.6	42.1	45.1
Faller	26	1	58.1	15.2	53.9	38.2	42.5	40.3	44.9
SY Ingmar	24	1	58.8	15.9	50.7	44.0	38.3	41.2	44.3
Mott	29	1	58.7	16.2	55.2	38.6	38.4	38.5	44.1
Glenn	27	2	59.4	16.0	44.7	39.7	35.0	37.3	39.8
Bolles	27	1	57.4	17.5	44.6	37.5	35.0	36.2	39.0
ND Vitpro	27	1	59.3	15.8	44.3	35.7	36.6	36.1	38.9
Linkert	23	2	59.1	16.2	39.9	35.4	38.6	37.0	38.0
ND Frohberg	28	2	58.8	16.1	42.0	29.8	35.2	32.5	35.7
LCS Trigger	29	1	59.4	12.9	--	45.9	51.6	48.7	--
LCS Buster	28	1	57.3	13.0	--	46.7	48.4	47.5	--
ND Heron	28	2	59.8	16.0	--	47.1	40.1	43.6	--
AP Gunsmoke CL2	26	2	58.3	16.3	--	44.5	40.7	42.6	--
AP Smith	23	1	58.4	15.7	--	42.7	38.7	40.7	--
CP3915	25	1	58.6	15.3	--	40.6	38.8	39.7	--
MN Rothsay	25	1	57.9	16.1	--	--	40.5	--	--
WB9590	25	1	57.8	16.2	--	--	40.0	--	--
Ascend-SD	27	1	58.8	15.9	--	--	39.9	--	--
Trial Mean	26	1	58.1	15.6	46.2	42.9	40.9	--	--
C.V.%	4.4	43.0	0.9	1.9	7.7	15.2	5.1	--	--
LSD 5%	2	NS	0.8	0.5	5.0	7.4	3.5	--	--
LSD 10%	2	NS	0.7	0.4	4.2	6.2	2.9	--	--

\*Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planted on May 26 with a seeding rate of 1.25 million PLS/A and harvested on Sept 9.

Previous Crop: 2019 = durum, 2020 = canola, 2021 = oat.

Tillage: minimum till

Soil Type: Barnes loam

Note: The 2021 trial sustained moderate drought. View data with caution.

The 2022 trial sustained moderate hail damage on August 19.